

VATAC 3-PIECE BOLTED BALL VALVES

- Carbon Steel Body/Stainless Steel Trim
- All Stainless Steel Construction
- Threaded, Socket Weld or Butt Weld Ends
- 3/4"-2-1/2" Standard Port
- 1-4"-2" Full Port
- Operating Pressures to 3000 WOG

GENERAL DESIGN FEATURES

1. Internal Entry Stem
2. Handle With Slide Lock (Optional)
3. ISO 5211 Direct Mount
Actuator Mounting Pad (Optional)
4. Live Loaded High Cycle,
TFE V-Ring Style Packing
5. Body Seals For High Temp &
API 607 Applications
6. Integral Fire Lip
7. Threaded, Socket Weld & Butt Weld
End Connections Available
8. Full ANSI Class 600 Wall Thicknesses

AVAILABLE SEAT MATERIALS

Mineral Filled PTFE
PEEK
Delrin

Available End Connections

Female NPTF
Socket Weld
Butt Weld (Specify Pipe Schedule)

**SPECIFICATIONS**

MSS SP-110	ANSI B16.34
ANSI B1.20.3	API 598
ANSI B16.11	API 607
ANSI B16.25	

•Size

1/4-2-1/2	Standard Port
3/4-2	Full Port

•Body Material

Carbon Steel, WCB
Stainless Steel, CF8/CF8M

•Construction

Bolted Cover or Unibody

•Port

Standard Port
Full Port

•End Connection

NPT
Socket Weld
Butt Weld
NPT x Socket Weld
NPT x Butt Weld

•Seat & Seal Material

Standard Options	
Seat	Packing/Body Seal
Mineral Filled	PTFE
PEEK	Graphite
Delrin	PTFE / PTFE
Firesafe Options	
Mineral Filled PTFE	Graphite

•Ball & Stem

316 Stainless Steel (17-4 Stem)

•Packing

PTFE, Standard Trim
Graphite, API 607 4th Edition Firesafe

•Configuration

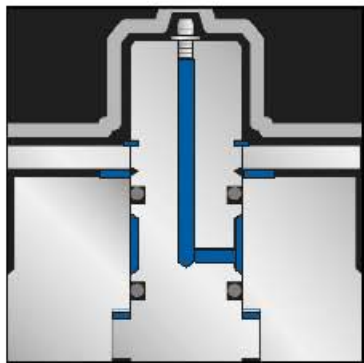
Live Loaded Stem

•Options

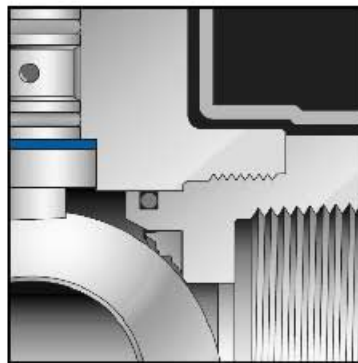
Lever Locking Handle
Oval Locking Handle
Extended Locking
Extended Oval Locking
TFE Coated 316SS
Vented Ball
Carbon Bolting
Oxygen Cleaned
Grounded Ball & Stem



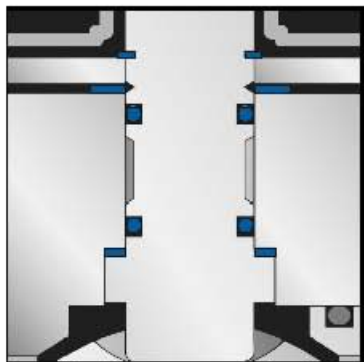
VATAC THREADED, WELDED & GROOVED-END FLOATING BALL VALVES GENERAL DESIGN FEATURES

**STEM JOURNAL LUBRICATION**

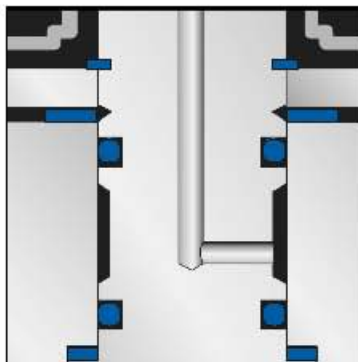
Valves that utilize an external stem lubrication fitting also incorporate a vented weather seal which allows safe pressure relief in the event of excessive grease gun pressure.

**FIRE SAFE DESIGN/ CERTIFIED**

Upon destruction of the seat (in the event of a fire) the ball floats downstream to provide metal-to-metal contact behind the seat area. Pressure assisted shut-off prevents fire feeding leakage.

**BLOWOUT PROOF STEM**

Internally inserted "back-seated" stem assures fire safety and blowout prevention by retaining stem in the valve at all pressures.

**WEATHER SEAL**

Weather seals are utilized in most Vatac Ball Valves to effectively eliminate stem journal corrosion, abrasion and galling. (Optional)

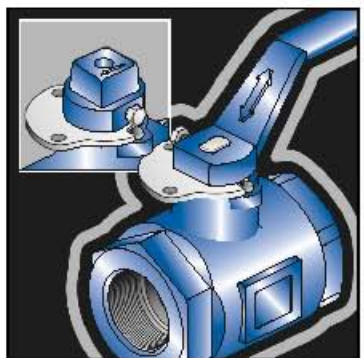
**FIGHT THE COST OF CORROSION**

Prolong the life of your Valves by reducing corrosion with anti-corrosive Coating. Consult factory for more information.

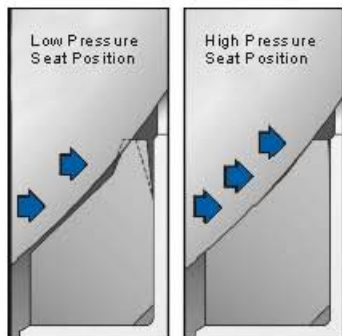
**SECURE YOUR INVESTMENT**

A majority of the Threaded/ Grooved Ball Valves come standard with an integral locking ear to prevent unauthorized operations.

*Padlocks not included.

**STANDARD HANDLE, STEM WRENCH AREA**

Vatac Ball Valves are equipped with durable handles as a standard feature. Valves can also be provided with square nut assemblies. The heavy-duty flattened stem design allows usage of standard wrenches when necessary to conserve space and prevent accidental operation.

**HIGH PRESSURE SEAT POSITION**

The Vatac seat lip deflects slightly at higher pressures to ensure full seat-to-ball contact. The seat's "memory-action" provides bubble-tight sealing at low and high pressures. This "self compensation for swell" feature results in low torque and long life operation.

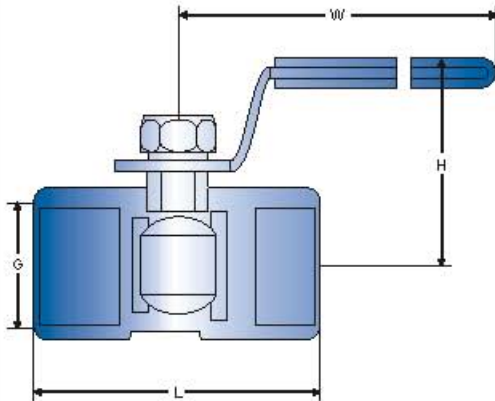
LOW PRESSURE SEAT POSITION

An integral seat lip provides positive low pressure "bubble-tight" sealing of ball and seat. The assembly preload insures constant surface load of ball to seat with minimal operating torque.

ONE PIECE CASTED BALL VALVE

- Investment Casting One Piece Uni-body, Standard Bore
- Free Floating Ball, Fire Safe, Blow-out Proof Stem
- Anti-static Device, Cavity Relieving Seats
- Optional Locking Device & ISO5211 Mounting Pad
- Designed to ASME B16.34

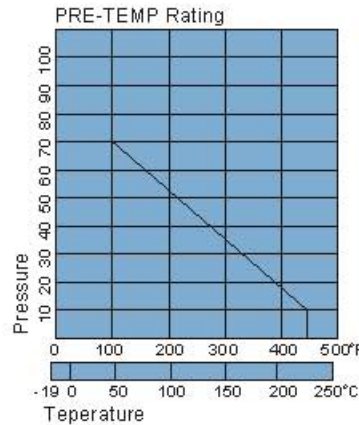
Face to Face	VATAC Standard
Threaded Ends	Rc to BS21, NPT to ASME B1.20.1
Socketed Ends	ASME B16.11
Class	1000Psi



1000WOG DIMENSION

SIZE (in)	d	L	H	W	W.T (kg)
1/4	4.2	40	22	80	0.10
3/8	6	45	26	80	0.115
1/2	8	57	31	88	0.175
3/4	12	60	34	88	0.250
1	15	72	38	105	0.400
1-1/4	19	79	43	105	0.600
1-1/2	24	85	50	124	0.850
2	32	101	57	124	0.900

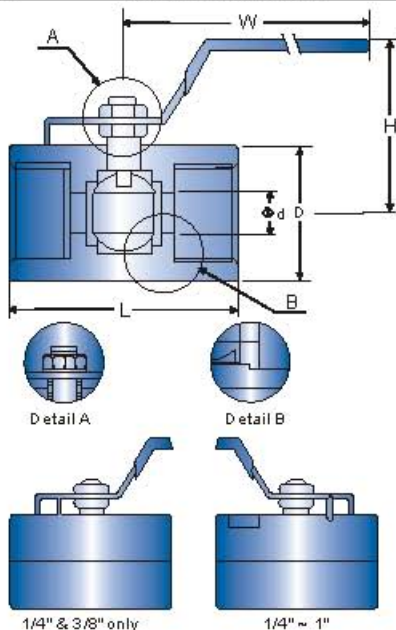
Unit: mm



ONE PIECE FORGED BALL VALVE

- Investment Forged One Piece Hex. Uni-body, Reduced Bore
- Free Floating Ball, Fire Safe, Blow-out Proof Stem
- Anti-static Device, Cavity Relieving Seats
- Optional Locking Device & ISO5211 Mounting Pad
- Designed to ASME B16.34

Face to Face	VATAC Standard
Threaded Ends	Rc to BS21, NPT to ASME B1.20.1
Socketed Ends	ASME B16.11
Class	ASME CL800/2000Psi



CLASS 800/2000WOG DIMENSION

SIZE (in)	Φd	D	L	H	W	W.T (kg)
1/4	5.0	21	43	34	70	0.11
3/8	7.0	25	47	37	70	0.18
1/2	9.0	31	62.5	60	120	0.34
3/4	12.5	36	70	64	120	0.54
1	16.0	46	86	66	123	0.95
1-1/4	20.0	55	94	78	145	1.40
1-1/2	24.5	61	102	84	150	1.70
2	32.0	75	115	91	150	2.78

Unit: mm

